

CLAIM AMENDMENTS

1. (Currently Amended) A variable nozzle (10) for a gas turbine fixed to a shaft (11), said variable nozzle (10) comprising a pressurized upper surface (12) and a depressurized lower surface (14) opposite to the upper surface (12), ~~characterized in that said~~wherein the variable nozzle comprises a series of substantially "C"-shaped sections, each having a first rounded end (20) and a second rounded end (21), each section of the series of sections also having the concavity facing upwards with respect to a base (90) and arranged one after another continuously, in the direction of an axis of the shaft (11) along an at least second degree curved line (60), ~~characterized in that~~wherein said at least second degree curved line (60) lies on a surface (70) having an axis orthogonal to the axis of the shaft (11) and also tilted with respect to the base (90) by an angle (80).
2. (Currently Amended) The variable nozzle (10) according to claim 1, ~~characterized in that~~wherein said curved line (60) is a parabolic line.
3. (Currently Amended) The variable nozzle (10) according to claim 1, wherein ~~characterized in that~~ said curved line (60) is a hyperbolic line.
4. (Currently Amended) The variable nozzle (10) according to claim 1, wherein ~~characterized in that~~ said curved line (60) is a combination of a parabolic line and a hyperbolic line.
5. (Currently Amended) The variable nozzle (10) according to claim 1, wherein ~~characterized in that~~ said curved line (60) is a third degree line.
6. (Currently Amended) The variable nozzle (10) according to any of the previous claims, wherein ~~characterized in that~~ said curved line (60) has a maximum or minimum point.
7. (Currently Amended) The variable nozzle (10) according to any of ~~the previous claims 1 through 5~~, characterized in thatwherein the upper surface (12) is saddle-shaped.
8. (Cancelled).